

* SWBAT define, measure, and graph motion and speed

Sep 6-2:31 PM

Welcome!!!

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SECA Physics
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- * Pick up:
 - slip of paper (for later)
 - get out your graph if you have it



Opening Activity:

Distance from 1m to 2m

Time went from 1.31s to 3.02 s

How do we find the speed?

$$\text{Speed} = \frac{\Delta d}{\Delta t} = \frac{2\text{m} - 1\text{m}}{3.02\text{s} - 1.31\text{s}} = \frac{1\text{m}}{1.71\text{s}} = 0.58 \frac{\text{m}}{\text{s}}$$

Centering...

Sep 7-7:04 AM

Catchy Physics Phrases...

Centering...

Speed is

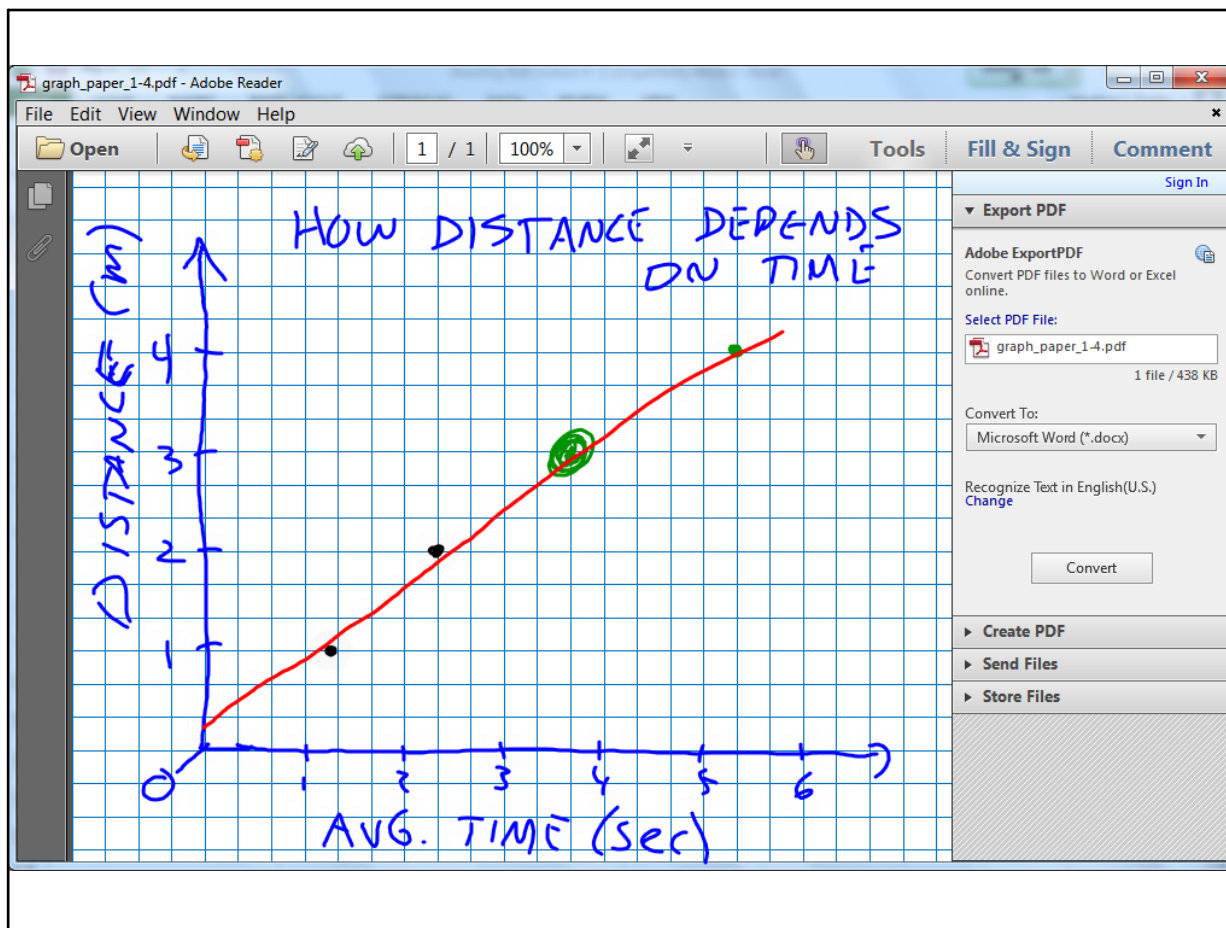
Change in distance over
change in time

$$\text{SPEED} = \frac{\Delta d}{\Delta t}$$

Handwritten red annotations: "EQUALS" with an arrow pointing to the equals sign, and "CHANGE IN" with an arrow pointing to the denominator Δt .

Let's make a graph together...

Oct 4-7:27 AM



Oct 1-11:13 AM

0m	4m	8m	12m	16m	20m
CHANGE:	4m	4m			

Runner Measurements : TIME

	4m	8m	12m	16m	20m
Trial 1	1.00	1.84	2.50	3.00	3:28
Trial 2	.97	1.79	2.28	2.81	3.40
Trial 3	1.00	1.56	2.22	2.54	3.28

AVG. CHANGE:

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Now use what we've found to fill in the worksheet.

- Get someone to check over what you've got **before** you start graphing
- When you're done: see what other people noticed about the graphs

Oct 5-7:33 AM

Daily 3 Questions

- * Every day except test/project days
- * 3 Questions on the topics of the day
- * Main source of daily points
- * I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

You can't get your points if you don't have your **NAME!!!**

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

1. Speed is change in distance over change in _____.
 - A. Force
 - B. Position
 - C. Time

2. True or False: A good graph should connect the dots.

3. During our experiment, the runner's speed generally
 - A. decreased
 - B. stayed about the same
 - C. increased

Sep 14-7:28 AM